

Abstract of the Invention

The present invention relates to hollow fiber membrane modules for use as "immersion modules" in filtration and/or dialysis methods, in particular whenever impairments due to fouling effects are expected from the use of liquids that are contaminated or lead to deposits. The hollow fiber membrane module comprises at least one housing and a plurality of tubular hollow fiber membranes which are arranged parallel to one another in and/or around the housing in a packing space, wherein the volumetric ratio of all the hollow fiber membranes arranged in the packing space to the packing space is less than 20%. Methods for producing such hollow fiber membrane modules are also provided.

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